

We hereby declare that the product range identified as,

# CCB4-100

conforms to the provisions of, ZA Annex, BS EN 845-1:2013+A1:2016 as an Asymmetrical Wall Tie.

Intended Use: **Type 4 wall tie for connecting cellular clay thin-joint blockwork to a traditional masonry leaf. Suitable for a 100mm cavity.**

Notified Body: Lucideon Ltd, Queens Road, Penkhull, Stoke-on-Trent, Staffordshire, ST4 7LQ, United Kingdom

Notified Body Number: 1289

This product conforms to **System 3** - Assessment and Verification of Constancy of Performance. All necessary testing was conducted at the above notified body.

## Essential Characteristics

Compressive Load Capacity (cavity +15mm): **350N**  
Compressive Load Capacity (design cavity): **520N**  
Tensile Load Capacity: **650N**

## Capacities given for:

Overall Wall Tie Length: **242.5mm O/A**  
Design Cavity Width: **100mm**  
Minimum Embedment Depth: **Cellular Clay Block 73mm/Traditional 54.5mm**  
Minimum Cover to Face of Wall: **20mm**  
Minimum Mortar Joint Thickness: **1mm/10mm**  
Minimum Mortar Class: **Wienerberger Zero Plus/M2**

## Displacement at 1/3 Load Capacity

In compression: **0.1**  
In tension: **0.28**

## Failure Modes:

In compression: **Bending of tie**  
In tension: **Pull-out of tie**

**Water shedding capacity:** **Resistant**  
**Recommended spacing:** **Refer to Ancon technical literature**

## Durability

Material Coating Reference: **3**  
Steel Grade: **1.4301/1.4401**

**Dangerous Substance** **None**

Authorised by:



Peter McDermott, Managing Director Europe West & APAC, on 1st January 2021 in Sheffield, UK.

Manufactured by Leviat

**Leviat**

A CRH COMPANY

**Ancon Ltd trading as Leviat**  
President Way  
President Park  
Sheffield S4 7UR  
United Kingdom

+44 (0)114 275 5224  
info.ancon.uk@leviat.com  
Ancon.co.uk | Leviat.com